Performance Data Sheet

VSC9519ZNA

General Information

Model	VSC9519ZNA	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	27500	25600	23600	21600	19500	17300	15100
	Watts	1790	2020	2280	2570	2880	3220	3590
	Amps	8.63	9.76	11.0	12.4	13.9	15.6	17.4
	Lb/h	460	455	448	441	434	425	417
25	Btu/h	30300	28200	26000	23800	21500	19200	16700
	Watts	1780	2020	2280	2570	2880	3230	3600
	Amps	8.62	9.76	11.0	12.4	13.9	15.6	17.4
	Lb/h	510	504	498	491	483	475	466
30	Btu/h	33400	31100	28700	26200	23700	21100	18400
	Watts	1780	2020	2280	2570	2890	3240	3610
	Amps	8.61	9.75	11.0	12.4	14.0	15.6	17.4
	Lb/h	565	559	552	545	538	530	521
35	Btu/h	36700	34100	31500	28800	26100	23300	20300
	Watts	1780	2020	2280	2570	2890	3240	3620
	Amps	8.59	9.74	11.0	12.4	14.0	15.7	17.5
	Lb/h	624	618	612	605	597	590	582
40	Btu/h	40200	37400	34500	31600	28600	25600	22400
	Watts	1780	2020	2280	2580	2900	3250	3630
	Amps	8.58	9.74	11.0	12.5	14.0	15.7	17.5
	Lb/h	689	683	677	670	663	655	648
45	Btu/h	44000	40900	37800	34600	31400	28000	24600
	Watts	1770	2020	2290	2590	2910	3260	3640
	Amps	8.57	9.75	11.1	12.5	14.1	15.8	17.6
	Lb/h	760	754	747	741	734	727	720
50	Btu/h	48000	44600	41300	37800	34300	30700	27000
	Watts	1780	2020	2300	2600	2920	3280	3660
	Amps	8.59	9.78	11.1	12.5	14.1	15.8	17.7
	Lb/h	836	830	824	818	812	805	799

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.836769E+04	8.467360E+02	4.090512E+00	2.731550E+02
C2	6.384619E+02	1.753708E-01	8.472017E-04	8.655588E+00

C3	-1.547023E+02	2.340271E+00	1.130566E-02	9.371485E-01
C4	5.353319E+00	-1.602735E-01	-7.742682E-04	3.906773E-02
C5	-2.898941E+00	5.293117E-02	2.557061E-04	-2.963204E-02
C6	5.191684E-01	1.042496E-01	5.036211E-04	-8.830261E-03
C7	1.179618E-02	1.528060E-03	7.381933E-06	5.013710E-04
C8	-2.514683E-02	2.492654E-04	1.204181E-06	1.669312E-04
C9	-4.884897E-04	-1.351861E-04	-6.530731E-07	9.727526E-05
C10	-2.591288E-03	1.151748E-04	5.563998E-07	1.020261E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature